

ABSTRACT OF THE DISCLOSURE

A fingerprint detector has a transparent upper plate on which a fingertip is placed, a light source for irradiating the upper plate with light, a portion of the light being reflected when the fingertip touches the plate, an equal magnification lens for forming an image of a fingerprint based on the reflected light with equal magnification, an image sensor having a plurality of photoreceptors linearly disposed thereon for detecting the image, a lower base plate for holding the image sensor in a fixed position relative to the equal magnification lens, and a housing for holding the transparent base plate, the light source, the equal magnification lens, and the upper and lower base plates. A thin image sensor may be employed, in which case the fingertip must be moved across the transparent upper plate.